

ABSTRACT

The warning apparatus includes magnetic force generating units, each oppositely arranged about a timing belt to generate a mutually opposite polarity of a magnetic force. A voltage inducing unit is disposed at one lateral surface of the timing belt to induce a voltage in response to the magnetic force generated from the magnetic force generating units. A voltage detecting unit detects the voltage induced by the voltage inducing unit. A controller outputs a control signal for generating a warning signal when the voltage detected by the voltage detecting means is less than an established level. A warning generating unit generates an alarm that a replacement time of a timing belt has arrived in response to the control signal from the controller, such that when a timing belt is worn to a degree of breakage, a warning signal is given by a detection thereof so that a healthy timing belt should not be changed periodically.